

Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2010-09-17
Date of Last Change to Activities: 2012-07-31
Investment Auto Submission Date: 2012-02-29
Date of Last Investment Detail Update: 2012-02-29
Date of Last Exhibit 300A Update: 2012-05-31
Date of Last Revision: 2012-07-31

Agency: 025 - Department of Housing and Urban Development

Bureau: 00 - Agency-Wide Activity

Investment Part Code: 01

Investment Category: 00 - Agency Investments

1. Name of this Investment: Analytical Services

2. Unique Investment Identifier (UII): 025-000004320

Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

Investment Owner: Policy Development & Research Seg: Business Analytical Services TI Proj: HUDSTAT This program implements the technology, tools, policies, methods and procedures needed in the organization to make full and effective use of administrative and other information within the department. Through this investment, HUD will coordinate the effective implementation and use of capabilities which support the extraction, aggregation, and presentation of information to facilitate optimal decision making for the agency. Analysis of information is a critical element of HUD meeting its mission goals. Careful and accurate analysis of business information is critical for the measurement of longer-term performance across the enterprise as well as to ensure the quality and timeliness of reporting on day-to-day operations. The purpose of this project is to develop an agency-wide capacity for analyzing, viewing and sharing data, using the advanced reporting functionalities of Business Intelligence (BI), and other statistical analyses. This investment also supports HUD's Office of Policy Development & Research (PD&R) in its mission to advise the Secretary and other HUD executives by performing enterprise-focused analytical functions, economic analysis, program evaluation, and the calculation and dissemination of statistics for numerous agency-wide policy and research efforts. It directly provides critical statistical, geographic, and Oracle database support for mission-related tasks that produce Congressionally mandated reports, maps and improve decision making. Public housing agencies, state and local

governments, the real estate industry, non-profits, various other business partners, and Congress use data and reports provided as the result of this investment.

2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.

HUD's existing system architecture does not support a comprehensive, agency-wide view of program and process data. Each program and support office has its own system or systems which are often not related to datasets outside of that office. This fragmented structure is inefficient, reinforces program silos, and can lead to redundancy and inaccuracy of data across the agency. Furthermore, these silos of information inhibit the development of policies that are truly place-based, by presenting a single, incomplete view of regional and community needs and outcomes. Developing an integrated enterprise architecture and deploying BI and other statistical capability are critical to many of HUD's and the Obama Administration's goals. Specifically, this investment will serve as a focal point for measuring outputs and outcomes related to all of the Strategic Goals, with particular relevance for Goal 5: Transforming the Way HUD Does Business. Furthermore, this investment will support the development of place-based policies, increase accountability and transparency, and ultimately increase the expertise, efficiency and effectiveness of the agency. Absent this investment, HUD would continue to make decisions, implement policy and monitor results in a fragmented, unproductive and potentially wasteful manner.

3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.

Formed and implemented Integrated Project Team for HUDStat project. Formed investment governance structure through Program Charter and Integrated Program Team Charter for Analytical Services Investment. Released Initial Phases of HUDSTAT Tool to Track High Priority Performance Goals Provided reports and analysis for all of HUD's Priority Goals, allowing a first ever view of cross agency, location-specific performance towards these goals. Created Non-sensitive Programmatic Datasets for Publication to Internal and External Websites Deployed Automated Business intelligence (BI) Report for Distribution to HUD Executives Provided access to BI Tool for Subset of Hud Field Staff. In late March, the HUDstat pilot went into production with nearly 150 users and 16 reports. Delivered significant enhancements to the existing HUDStat system by automating the data loading process for faster access to information. In particular, Strategic Planning Measure 6c - Veterans' Homelessness.

4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).

Establish effective investment governance body to determine standards and best practices for Business Intelligence, and other Analytical tools. Conduct assessment of the current state of Analytical Services within the department. Define to-be state for enterprise view of analytics. Identify performance gaps and devise investment strategy to fill such gaps. Deploy expanded dashboards and ad hoc drilling enabled, for live drilling datasets during HUDStat Meetings. Develop a Dashboard to allow users to view the data Complete definition phase of

HUDStat project Proof-of-Concept Data Mart and BI architectures will be redesigned. Establish and deliver significant enhancements to the existing HUDStat system by automating the data loading process for faster access to information. In particular, Strategic Planning Measure 1a - Foreclosure Prevention; Strategic Planning Measure 13 - Energy and Green Retrofits; Strategic Planning Measure 5a - Rental Assistance.

5. **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2011-09-09

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$0.9	\$0.0	\$0.0	\$0.0
DME (Excluding Planning) Costs:	\$1.8	\$2.3	\$2.7	\$3.9
DME (Including Planning) Govt. FTEs:	\$0.0	\$0.0	\$0.0	\$0.0
Sub-Total DME (Including Govt. FTE):	\$2.7	\$2.3	\$2.7	\$3.9
O & M Costs:	\$0.8	\$2.5	\$2.4	\$2.8
O & M Govt. FTEs:	\$0.0	\$0.4	\$0.0	\$0.0
Sub-Total O & M Costs (Including Govt. FTE):	\$0.8	\$2.9	\$2.4	\$2.8
Total Cost (Including Govt. FTE):	\$3.5	\$5.2	\$5.1	\$6.7
Total Govt. FTE costs:	0	\$0.4	0	0
# of FTE rep by costs:	4	1	1	1
Total change from prior year final President's Budget (\$)		\$5.1	\$5.1	
Total change from prior year final President's Budget (%)		0.00%	0.00%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

Unchanged

Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	8600	C-OPC-23901/T 001	GS-06F-0445Z	4730							

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

NA--Earned Value will be required.

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-07-31

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
OSPM01	HUDSTAT	The HUDStat project will integrate data from across the agency and help to define and institutionalize new protocols for data management that promote a cross-program view of the agency and its work.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M)	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
OSPM01	HUDSTAT							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
OSPM01	Milestone 1- Goal 3 Activity (APG 6c Veterans' Homelessness	Provide more flexible and sophisticated reporting capabilities and to automate the	2012-01-27	2012-01-27	2012-01-27	211	0	0.00%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
		manual ETL processes in place now, the Proof-of-Concept Data Mart and BI architectures will be redesigned. These enhancements will have the benefits of faster turnaround between actual performance and HUD's ability to aggregate and analyze the data.						
OSPM01	Milestone 2- Goal 1 Activity (APG 1a Foreclosure Prevention)	Provide more flexible and sophisticated reporting capabilities and to automate the manual ETL processes in place now, the Proof-of-Concept Data Mart and BI architectures will be redesigned. These enhancements will have the benefits of faster turnaround between actual performance and HUD's ability to aggregate and analyze the data	2012-03-30	2012-03-30	2012-03-30	182	0	0.00%
OSPM01	Milestone 3- Goal 4 Activity (APG 13 Energy and Green Retrofit)	Provide more flexible and sophisticated reporting capabilities and to automate the manual ETL processes in place now, the Proof-of-Concept Data Mart and BI architectures will be	2012-04-27	2012-04-27	2012-04-27	180	0	0.00%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
		redesigned. These enhancements will have the benefits of faster turnaround between actual performance and HUD's ability to aggregate and analyze the data.						
OSPM01	Milestone 4- Goal 2 Activity (APG 5a Rental Assistance)	Provide more flexible and sophisticated reporting capabilities and to automate the manual ETL processes in place now, the Proof-of-Concept Data Mart and BI architectures will be redesigned. These enhancements will have the benefits of faster turnaround between actual performance and HUD's ability to aggregate and analyze the data.	2012-05-25	2012-05-25	2012-05-25	177	0	0.00%
OSPM01	Milestone 5- New APG Delivery	Provide more flexible and sophisticated reporting capabilities and to automate the manual ETL processes in place now, the Proof-of-Concept Data Mart and BI architectures will be redesigned. These enhancements will have the benefits of faster turnaround between actual performance and	2012-07-31	2012-07-31	2012-07-30	181	1	0.55%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)

HUD's ability to aggregate and analyze the data

Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
Increase number of Agency Priority Goals measured at the enterprise level.	Agency Priority Goals	Mission and Business Results - Management of Government Resources	Over target	0.000000	4.000000	5.000000	5.000000	Semi-Annual
Increase the number of performance measures tracked for HUDStat.	Performance Measures	Customer Results - Service Quality	Over target	0.000000	0.000000	20.000000	30.000000	Semi-Annual
Reduce average time required to compile necessary data for each HUDStat meeting.	Average Person-Hours per Meeting	Process and Activities - Cycle Time and Timeliness	Under target	50.000000	50.000000	40.000000	30.000000	Semi-Annual
Improve data quality (i.e. improvements in data stored at the source based on errors identified through the process of transforming and integrating data).	Number of errors found and corrected at the source	Process and Activities - Quality	Under target	0.000000	0.000000	0.000000	1.000000	Semi-Annual
Increase reliance on data as a means for decision-making.	Number of decisions/prioritization made in HUDStat	Process and Activities - Quality	Over target	0.000000	0.000000	20.000000	20.000000	Monthly